

H4954-
5002.

D5700-
5713.

507

Next Dr. = 5700

Next Hy. = 4954

May 1919-20
 Oregan's ~~Station~~ Station at anchor for transportation & plantation, birds arriving & esp.
 - - - - - one - - - - - for port
 ship - - - - - ship
 land - - -

H 4954
 5002

D 5700
 5713

Dredge } No. 4954 Date, Aug 22, 1911
Hydrog. }

Sdg. Mch. Lucas Reel 2 Shot } 25 lbs.
Lead }

Turns 134 Cor'n — Depth 134 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom C.

Thermom. { Make } none used Cor'n { Instr. }
No. { } Stem. { }

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
Bottom }

Tide

General Locality San Francisco Bay

Position Angel Is. H. N. 24 1/2 E, Alcatraz Is.

Chart used: No. 28553 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Roth Recorder Attili

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
A. M. DOWN.			UP.		A. M.		M. DOWN.		UP.		M.	
9	05	45	9	10	10	0						
	06	40		08	50	100						
9	07	00	9	08	15	124200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

S 78 3/4° E. tangt. Line
 Pt. S 68 1/4° W.

11-1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. Down.		Up.		M.		M. Down.		Up.	M.	
9	49	15		23	00					
	49	35		21	50					
	50	55		20	40					
	51	55		19	30					
	52	45		18	15					
	53	40		17	00					
	54	30		15	45					
	55	25		14	25					
	56	20		13	00					
	57	20		11	30					
	58	20		10	15					
	59	25		08	35					
10	00	40		07	05					
	01	55		05	25					
10	02	55	10	04	10	1368				
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

Dredge } No. 5700 Date, Jan., 30, 1912

Sdg. Mch. Lucas Reel Lucas Shot/Lead none lbs.

Turns — Cor'n — Depth 21 fms.

Sdg. Cup Ligebee Amt. Bot'm Sample few grains (lead)

Character of Bottom gy. S.

Thermom. { Make T.G. Cor'n { Instr. No. 69479 Stem.

Bottom Reading 53.2° Cor'd Temp. 53.13

Temp. Surf. { 52° Time 10:15 } Air { 56°
52° Time 10:22 } 57°
51.83

Density: Surf. fms.

Wind: Direction N.N.W. Force 2

Baromet. 30.44 Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 9' Agassiz, 150th sinker, 3 glass floats, 1 mud bag, 1 tail weight, 2 wing weights,

Time towing — h. 15 m.

Remarks: Bridle carried away, net torn.

Deck Officer Mr. Clancy Recorder C. B. Long

SOUNDING WIRE.

FMS.

DREDGING CABLE.

A. M. Down. Up. A. M.

A. M. Down. Up. A. M.

9 45 00 9 51 40

0

10 00 10 10 25 05

7 46 00 9 51 00

21 100

10 03 20

200 10 15 40 10 21 20

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

at end of dredge haul
took sounding with
hand line fath.
depth 17 fath.

Dredge } No. 5701 Date, Jan. 30, 1912
Hydrog. }
Sdg. Mch. Lead in hand Reel Shot Lead 14 lbs.
Turns Cor'n Depth 13 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 51° Time 1:26 } Air { 58°
51° Time 1:43 } 60°
50.83

Density: Surf. fms.

Wind: Direction N.W. Force 2-3

Baromet. 30.37 Amt. of Clouds .3 State of Sea S

Weather bz

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9 Agassiz

Rig: 3 glass floats: 2 wing weights
1 Tail weight: 1 mud bag.

Time towing h. 17 m.

Remarks: net very badly torn.

Deck Officer Mr. LeMay Recorder H.W. Coider

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

/ 20 00

0

/ 22 00

65 100

/ 26 30

200

300

400

500

600

700

800

900

1000

1100

1200

1800

1400

1500

1600

1700

1800

1900

Combined with bottom 2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____, 19 / 2

Sdg. Mch. _____ Reel _____ Shot / Lead _____ lbs.

Turns _____ Cor'n _____ Depth 13 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 51 Time 2:15 } Air { 66 }
 { 51 Time 2:15 } { 66 }

Density: Surf. _____ fms. _____

Wind: Direction n n w. Force 1-2

Baromet. 30.32 Amt. of Clouds 1 State of Sea S

Weather 1-2

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used

3 glass floats:
1 lb weight

Time towing h. 7/6 m.

Remarks:

Deck Officer Mr. Clancy Recorder

SOUNDING WIRE.

P M. DOWN. Up. *L* M.

2 54 00

4

W in hand ok
1/2 hour 13/10

adi

FMS.

DREDGING CABLE.

P M. DOWN. Up. *P* M.

2 54 30 3 15 10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5702 Date, 1902
Hydrog. }
Sdg. Mch. Trawl Reel Shot Lead 12 lbs.
Turns 2 Cor'n Depth 734 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom M.

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp. 52.93

Temp. Surf. { 50.0 Time 10:00 Air 57.0
50.0 Time 10:20
49.85

Density: Surf. fms.

Wind: Direction NNE Force 2-3

Baromet. 30.34 Amt. of Clouds 1 State of Sea S.

Weather C.

Direction and Force of Current { Surface
Bottom

Tide ...

General Locality San Francisco Bay.

R.T. Angel Id. S 42° W

Position ...

Chart used: No. C. 5 Ed'n

Drift: Direction N 7° W Distance 2.5 miles

Depth of Haul Bottom

Apparatus and Rig used 9' Tanner beam trawl

... 2 min. ...

Time towing 1 h. 15 m.

Remarks: 1 bird's egg found and beam trawl. Time while trawl was set for 20 min. Bird's egg found again about 5 min. but was found by Straps around it.

Deck Officer Recorder

SOUNDING WIRE.

Cl M. Down. | Up. | M.

10 09 30

FMS.

DREDGING CABLE.

9 M. Down. | Up. | *2* M.

0	10	10	10	10	20	00
35-100	10	11	40			
35-200	10	15	30	10	26	10
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
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2700						
2800						
2900						
3000						
3100						
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3600						
3700						
3800						
3900						
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4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Dredge } No. 5704 Date, Feb. 15, 1912
 Hydrog. } TN
 Sdg. Mch. TN Reel TN Shot & Lead 11 lbs.
 Trawl Curtin : Depth 11 fms.
 Sdg. Cup --- Amt. Bot'm Sample 1/4
 Character of Bottom fine gy. S. M.
 Thermom. { Make --- Cor'n { Instr. ---
 { No. 69279 { Stem. ---
 Bottom Reading 530 Cor'd Temp. 52.93
 Temp. Surf. { 52 Time 2:00 } Air { 68
 { 53 Time 2:33 } { 68
 Density: Surf. --- fms. ---
 Wind: Direction W Force 2-3
 Baromet. 30.22 Amt. of Clouds 2 State of Sea S
 Weather ---

Direction and Force of Current { Surface ---
 { Bottom ---

Tide Low

General Locality San Francisco Bay

Position ---

Chart used: No. --- Ed'n ---

Drift: Direction --- Distance ---

Depth of Haul Bottom

Apparatus and Rig used ---

3 ft. bag, 2 ft. net, 1 ft. net, 1 ft. net.

Time towing --- h. --- m.

Remarks: Three bottles used on day. One
of 100 ft. haul, 7 1/2 m. 2 bottles
accumulated material from 100 ft.
haul, when haul was within 4 fms.
near 5 fms. haul to three till 2.30, 10
th. haul was both bottles empty and
not worked.

Deck Officer --- Recorder ---

SOUNDING WIRE.

M. Down. | Up. | M.

1 40 00 11 fms.
 2 00 15 7 1/2
 3 07 10 7 1/2

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

2 00 15 3 20 5
 2 00 15 3 20 5

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

Dredge } No. 5705 Date, Feb 6, 1912

Hydrog. } Sdg. Mch. Hand Sdg. Machine Shot/Lead lbs.

Turns Cor'n Depth 9 fms.

Sdg. Cup Amt. Bot'm Sample Bag of net full

Character of Bottom soft gy. M.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 9:56 } Air { 52.0 51.83 Time 10:03

Density: Surf. fms.

Wind: Direction S.E. Force 3

Baromet. 20.22 Amt. of Clouds 10 State of Sea

Weather cz

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 5' Trawl, 2 wire, 1 net, 2 glass floats, 1 mud bag

Time towing h. 5 m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A M. Down.	Up.	A M.		A M. Down.	Up.	A M.
			0	9 53 20	10 02 40	
			25 405	9 55 20	10 00 25	
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5726 Date, Feb 11, 1912

Sdg. Mch. Hand Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 1:03 } Air { 56° 52° Time 1:10 }

Density: Surf. fms.

Wind: Direction S.E. Force 2

Baromet. 30.1 Amt. of Clouds 9 State of Sea

Weather fog

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 4' Tanner beam trawl

Time towing h. 6 m.

Remarks:

Deck Officer Mr. [unclear] Recorder A. B. Long 11-1025

SOUNDING WIRE.			DREDGING CABLE.		
M. Down.	Up.	M.	P. M. Down.	Up.	P. M.
		0	1 00 46"	1 09 10	
		25 100	1 01 26"	1 07 50	
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 574 Date, 7 June, 1912

Hydrog. } Sdg. Mch. Beach line Reel Shot Lead lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom bn-gr M. ; sh. D.

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52.0 Time 2:16 } Air { 52.0 Time 2:25 } 51.83

Density: Surf. fms.

Wind: Direction S.E. Force 1

Baromet. 30.14 Amt. of Clouds 9 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used S. 1 Tanner, 2 glass

1 sinker, 1 line

Time towing h. 8 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.		P. M. DOWN.		UP.	P. M.		
			0	2	15	20	2	26	05
			25-100	2	17	00	2	24	55
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
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			2500						
			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 5708 Date, Feb 6, 1912

Hydrog. } Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample 14

Character of Bottom Sandy mud

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 52° Time 2:38 } Air { 56° 51.33 Time 8-5-0

Density: Surf. fms.

Wind: Direction S.E. Force 1

Baromet. 30.13 Amt. of Clouds 10 State of Sea

Weather oz.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 9' beam trawl, 3 gill nets, 2 wing nets, 1 net, 1 sinker, 1 mud bag.

Time towing h. 1 1/2 m.

Remarks: Not slightly

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. Down.	Up.	M.		P. M. Down.	Up.	P.	M.
			0	2 37	08	2	50 00
			4-0 100	2 39	15	2	50 40
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. 5709 Date, Feb 1912
Hydrog.

Sdg. Mch. Hand line fixed Shot } lbs.
Lead }

Turns — Cor'n — Depth 10 fms.

Sdg. Cup — Amt. Bot'm Sample

Character of Bottom Muddy sand

Thermom. { Make — Cor'n { Instr. —
No. — Stem. —

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 52° Time 3:17 } Air { 55°
55° Time 3:32 } 55°

Density: Surf. — fms. —

Wind: Direction S.E. Force —

Baromet. 30.13 Amt. of Clouds 10 State of Sea S

Weather eg

Direction and Force of Current. { Surface —
Bottom —

Tide —

General Locality San Francisco Bay

Position —

Chart used: No. — Ed'n —

Drift: Direction — Distance —

Depth of Haul Bottom

Apparatus and Rig used 5' Tanner, 2 glass floats,
15' line, 1 lb. sinker,
1 sinker, 1 mud bag

Time towing h. 1 3/4 m.

Remarks: —

Deck Officer M. S. T. Recorder C. S. T.

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		<i>P</i> M. Down.	Up.	<i>P</i> M.			
			0	3	13	00	3	32	20
			40 100	3	16	40	3	30	15
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
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			1800						
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			2500						
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			2700						
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			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Hydrog. } No. 4966 Date, Feb. 13, 19 12

Sdg. Mch. T.M. Reel T.M. Shot 24 lbs.

Turns _____ Cor'n _____ Depth 7 fms.

Sdg. Cup None Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make H.S. Cor'n { Instr. _____
No. 69479 Stem. _____

Bottom Reading 54 Cor'd Temp. 53.93

Temp. Surf. { 54.2 Time 10:54 Air { _____
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S. by S. Force 2

Baromet. 30.10 Amt. of Clouds 10 State of Sea S.

Weather om

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used Plankton net

Time towing _____ h. _____ m.

Remarks: Temperature and
direction work.

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>A</u> M. Down.	Up.	<u>A</u> M.		<u>A</u> M. Down.	Up.	<u>A</u> M.
10	10	30	0			
10	10	30	400			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
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			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
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			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 4 Date, , 197

Sdg. Mch. 3, 2, 1 Reel 1 lbs.

Turns	Cor'n	Depth	fms.
1		10	10
2		20	20
3		30	30
4		40	40
5		50	50
6		60	60
7		70	70
8		80	80
9		90	90
10		100	100
11		110	110
12		120	120
13		130	130
14		140	140
15		150	150
16		160	160
17		170	170
18		180	180
19		190	190
20		200	200
21		210	210
22		220	220
23		230	230
24		240	240
25		250	250
26		260	260
27		270	270
28		280	280
29		290	290
30		300	300
31		310	310
32		320	320
33		330	330
34		340	340
35		350	350
36		360	360
37		370	370
38		380	380
39		390	390
40		400	400
41		410	410
42		420	420
43		430	430
44		440	440
45		450	450
46		460	460
47		470	470
48		480	480
49		490	490
50		500	500
51		510	510
52		520	520
53		530	530
54		540	540
55		550	550
56		560	560
57		570	570
58		580	580
59		590	590
60		600	600
61		610	610
62		620	620
63		630	630
64		640	640
65		650	650
66		660	660
67		670	670
68		680	680
69		690	690
70		700	700
71		710	710
72		720	720
73		730	730
74		740	740
75		750	750
76		760	760
77		770	770
78		780	780
79		790	790
80		800	800
81		810	810
82		820	820
83		830	830
84		840	840
85		850	850
86		860	860
87		870	870
88		880	880
89		890	890
90		900	900
91		910	910
92		920	920
93		930	930
94		940	940
95		950	950
96		960	960
97		970	970
98		980	980
99		990	990
100		1000	1000

Sdg. Cup _____ Amt. Bot'm Sample ...

Character of Bottom

Thermom. { Make
No. Cor'n { Instr.
Stem.

Bottom Reading 53.93 Cor'd Temp. 53.93

Temp. Surf. { $\begin{array}{c} 54^{\circ} \\ \hline \\ \hline \\ 53.83 \end{array}$ Time $\left. \begin{array}{c} 11:15 A \\ \hline \\ \hline \end{array} \right\}$ Air { $\begin{array}{c} \hline \\ \hline \end{array}$

Density: Surf. fms.

Wind: Direction S.E.S. Force 2

Baromet. 30.41 Amt. of Clouds 10 State of Sea S

Weather *om*

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom.} \end{array} \right.$

Title _____

General Locality _____

Position _____

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used .. not ..

<i>Time towing</i>	<i>h.</i>	<i>m.</i>
--------------------	-----------	-----------

Remarks:

Deck Officer *[Signature]* Recorder *[Signature]* 11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
<i>X</i>	M. Down.	Up.	M.		M. Down.	Up.	M.	
11	06	00	11	0				
11	06	30	11	13				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Under Hydrog. No. 66 Date, May 1, 1902

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 20 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make M. 2 No. 69179 Cor'n { Instr. Stem.

Bottom Reading 540 Cor'd Temp. 53.93

Temp. Surf. { 540 Time 17:32p } Air { 33.83 Time

Density: Surf. fms.

Wind: Direction Trade Force 2

Baromet. 30.41 Amt. of Clouds 10 State of Sea S

Weather fm

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Plankton net

Time towing h. m.

Remarks: and was lost

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

12 02 50

12 02 30

0

20 400

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 4754 Date, Feb 1, 1915
Hydrog. }
Sdg. Mch. 2 Reel Shot/Lead 2 lbs.
Turns Cor'n Depth 1 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom M

Thermom. { Make W. Cor'n { Instr.
No. 69770 Stem.

Bottom Reading 55.80 Cor'd Temp. 55.73

Temp. Surf. { 4.2 Time 1:09:40 Air {
54.55 Time

Density: Surf. fms.

Wind: Direction Variable Force 2

Baromet. 30.40 Amt. of Clouds 10 State of Sea S.

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality San Francisco Bay

Position 37° 12' N 122° 41' W

Chart used: No. 15532 Ed'n -

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used Plankton 12 m

Time towing h. m.

Remarks: Water bottle used in Sdg. -
1000 ft. - 1000 ft.
line; towed again at 1:31:40

Deck Officer W. H. Recorder A. C. H.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

12	57	30	1	09	20	0
12	58	00	1	09	00	100
						200
						300
						400
						500
						600
						700
						800
						900
						1000
1	31					1100
1	41	40				1200
						1300
						1400
						1500
						1600
						1700
						1800
						1900
						2000
						2100
						2200
						2300
						2400
						2500
						2600
						2700
						2800
						2900
						3000
						3100
						3200
						3300
						3400
						3500
						3600
						3700
						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		M. Down.	Up.	M.
<i>2</i>	<i>12</i>	<i>15</i>	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl } No. 4971 Date, February, 13, 1912
Hydrog. }

Sdg. Mch. - Reel Shot & Lead 15 lbs.

Turns Cor'n Depth 15 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading

Cor'd Temp. 53.73

Temp. Surf. {

Time

Time

Air

Density: Surf.

fms.

Wind: Direction

Force

Baromet.

Amt. of Clouds

State of Sea

Weather

Direction and Force of Current.

{ Surface Bottom

Tide

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction

Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.	Up.	M.					M. Down.	Up.	M.
2 46	50	2 58	01			0			
2 47	05	2 57	05			100			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
						1400			
						1500			
						1600			
						1700			
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						1900			
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						2200			
						2300			
						2400			
						2500			
						2600			
						2700			
						2800			
						2900			
						3000			
						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

Dredge } No. 113 Date, July 1, 19 11
Hydrog. }
Sdg. Mch. 113 Reel 1 Shot Lead 7 lbs.
Turns 7 Cor'n 1 Depth 7 fms.
Sdg. Cup 113 Amt. Bot'm Sample 1
Character of Bottom 113
Thermom. { Make 113 Cor'n { Instr. 1
 { No. 113 { Stem. 1
Bottom Reading 113 Cor'd Temp. 53.85
Temp. Surf. { Time 2:25 } Air {
 { 53.15 } Time 1 }
Density: Surf. 113 fms. 113
Wind: Direction 113 Force 1-2
Baromet. 30.25 Amt. of Clouds 10 State of Sea 1
Weather 1

Direction and Force of Current { Surface 113
 { Bottom 113

Tide Ebb

General Locality 113
113 S 1 1/2 W

Position 113

Chart used: No. C.S. 113 Ed'n 1

Drift: Direction 113 Distance 1

Depth of Haul 113

Apparatus and Rig used 113

Time towing 113 h. 1 m. 1
Remarks: Water bottle used

Deck Officer 113 Recorder 113

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
M. Down.		Up.	M.				M. Down.		Up.
3	15	50	3	26	35	0			
3	16	10	3	26	10	400			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
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						1900			
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						2500			
						2600			
						2700			
						2800			
						2900			
						3000			
						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

Tredge } No. 11 Date, Aug 1, 19 12
 Hydrog. }
 Sdg. Mch. Lucas Reel Shot 1 lbs.
 Lead
 Turns _____ Cor'n _____ Depth 7 fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom M
 Thermom. { Make 113 Cor'n { Instr. _____
 { No. 69479 { Stem. _____
 Bottom Reading 53.8 Cor'd Temp. 53.73
 Temp. Surf. { 53.9° Time 3:58:40 PM Air {
 { 53.73 Time _____
 Density: Surf. _____ fms. _____
 Wind: Direction Calm Force 0
 Baromet. 30 Amt. of Clouds 10 State of Sea C
 Weather B
 Direction and Force of Current { Surface _____
 { Bottom _____
 Tide Ebb
 General Locality Off Cape Cod
 Position 42° 42' N 71° 15' E
 Chart used: No. CG 5532 Ed'n _____
 Drift: Direction SW Distance _____
 Depth of Haul _____
 Apparatus and Rig used Lucas 12' beam trawl
 Time towing _____ h. _____ m.
 Remarks: Trawl with mud.

Deck Officer

Mr. Ketchum

Recorder

F. J. Smith

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

P M. Down. Up. P M.
 3 47 4 3 57 5 5
 1/8 40 9 58 40 7

0

400

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 4974 Date, Feb 13, 1912
Hydrog. }

Sdg. Mch. Hand Line of Reel Shot 24 lbs.
Lead

Turns Cor'n Depth 6 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.B. Cor'n { Instr.
 { No. 69479 { Stem.

Bottom Reading 53.6 Cor'd Temp. 53.53

Temp. Surf. { 53.9 Time 4:30:30 } Air {
 { 53.95 Time {

Density: Surf. fms.

Wind: Direction 1/4 SE Force 0-1

Baromet. 30.33 Amt. of Clouds 10 State of Sea 8

Weather 0

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Water bottle used.

Deck Officer J. S. Smith Recorder J. S. Smith

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		M. Down.	Up.	M.
4 1 40	4 32 15		0			
4 22 00	4 32 00		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Hydrog~~ } No. 4472 Date, Feb. 18, 1912

Sdg. Mch., *Handwritten* Box *Shells*
Lead } lbs.

Turns 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 Cor'n 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 Depth 12 fms

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
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51	51
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54	54
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62	62
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64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { *Make* 713
 { *No.* 69479

Cor'n { *Instr.*
 { *Stem.*

Bottom Reading 53.7° Cor'd Temp. 53.63

Temp. Surf. { 54° Time 1:15- } Air {
53.83 Time ----- }

Density: Surf. fms.

Wind: Direction *S. by E.* Force *1*

Baromet. 30.47 Amt. of Clouds 9 State of Sea 1

Weather *bc*

Direction and Force of Current.
 { Surface
 { Bottom

<i>Title</i>	<i>Author</i>	<i>Year</i>	<i>Journal</i>	<i>Volume</i>	<i>Page</i>
...

General Locality San Francisco Bay

Position

Chart used : No. Ed'n _____

Drift: Direction *Distance*

Depth of Haul

Apparatus and Rig used

Time towing h. n

Remarks: *Pl. & L. 10. 10. 10.*

Deck Officer *F. J. Stinebaugh* Recorder *W. J. Stinebaugh*

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
2 ^d M. Down.	Up.	2 ^d M.			M. Down.	Up.	M.
-	-	-	1 17 30	0			
1 00 00		1 16 00		100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
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				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
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				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Hydrog. No. 7726 Date, Jan 15, 1912

Sdg. Mch. Agate Street Lead lbs.

Turns Cor'n Depth 9 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 1. Cor'n { Instr. No. 69777 Stem.

Bottom Reading 53.7° Cor'd Temp. 53.63

Temp. Surf. { 54° Time 1:52:00 } Air { 53.5 Time

Density: Surf. fms.

Wind: Direction S.W. Force 1

Baromet. 30.42 Amt. of Clouds 9 to 7 State of Sea 5

Weather bc

Direction and Force of Current. { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Bottom temperature taken twice & first 10 fms. and a messenger was sent down 10 fms. and

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>2</u> M. DOWN.	UP.	<u>2</u> M.		<u>---</u> M. DOWN.	UP.	<u>---</u> M.
1 54 10	2 05 00		0			
1 54 30	2 04 35		9 1/2 100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
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			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Trawl~~ } No. 4977 Date, Oct 15, 1912

Sdg. Mch. *Hand* Reel *Shot* Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make *N. S.* Cor'n { Instr.
No. *6947* Stem.

Bottom Reading *53.90* Cor'd Temp. *53.83*

Temp. Surf. { *53.90* Time *2:30:30* } Air {
53.73 Time

Density: Surf. fms.

Wind: Direction *Various* Force *1-2*

Baromet. *30.41* Amt. of Clouds *7* State of Sea

Weather *bc*

Direction and Force of Current. { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used *Hand*

Time towing h. m.

Remarks: *Deep sea*

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.		
<i>P</i> M. Down.		Up.	<i>P</i> M.				M. Down.	Up.	M.
2	20	20	2	30	40	0			
2	20	26	2	30	25	5- 400			
						200			
						300			
						400			
						500			
						600			
						700			
						800			
						900			
						1000			
						1100			
						1200			
						1300			
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						3100			
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						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

~~Hydrog.~~ } No. 4978 Date, Feb 15, 1912

Sdg. Mch. Hand Reel Shot } Lead } lbs.

Turns Cor'n Depth 4 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 212 Cor'n { Instr. No. 69479 Stem.

Bottom Reading 54° Cor'd Temp. 53.93

Temp. Surf. { 53.5° Time 2:49 } Air { Time }

Density: Surf. fms.

Wind: Direction 200 Force 3

Baromet. 30.4 Amt. of Clouds 9 State of Sea 2

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Dredge

Time towing h. m.

Remarks: Strong ebb tide

Deck Officer 7 Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. Down.			Up. P M.				M. Down.			Up. M.		
2	45	10	2	48	50	0						
2	46	15	2	48	30	4 3/4 100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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						2900						
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						4100						
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						4800						
						4900						

Dredge } No. 4777 Date, July 15, 1912
Hydrog. }

Sdg. Mch. _____ Shot } lbs.
Lead }

Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____
No. 69479

Cor'n { Instr. _____
Stem. _____

Bottom Reading 370 Cor'd Temp. 53.93

Temp. Surf. { 54.2 Time 3:31 } Air {
Time _____

Density: Surf. _____ fms. _____

Wind: Direction S.W. Force 2-3

Baromet. 30.39 Amt. of Clouds 5 State of Sea S

Weather bc

Direction and Force { Surface _____
of Current Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n. _____

Drift: Direction _____ Distance. _____

Depth of Haul _____

Apparatus and Rig used Reel

Time towing h. m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	UP.	<i>P</i> M.		M. DOWN.	UP.	M.
3 22 30	3	31 00	0			
3 23 50	2	30 45	6			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
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			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 4712 Date, Dec 18, 1902

Hydrog. }
Sdg. Mch. Trawl Reel Shot/Lead lbs.

Turns Cor'n Depth 5 1/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 7 Cor'n { Instr. No. 6777 Stem.

Bottom Reading 5-40 Cor'd Temp. 53.93

Temp. Surf. { 5-40 Time 3:57 } Air { 53.83 Time

Density: Surf. fms.

Wind: Direction S.W. Force 2

Baromet. 30.27 Amt. of Clouds 8-7 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used Trawl

Time towing h. m.

Remarks: 1. 1. 1.

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	M.			M. Down.	Up.	M.
3	48 31	3	52 20	0			
3	48 40	3	52 30	100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
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				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 1 Date, July 1, 1911

Hydrog. }
Sdg. Mch. Hand lead 64 Reel Shot 24 lbs. Lead

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp. 54.03

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction S.W. Force 1

Baromet. 30.39 Amt. of Clouds 7 State of Sea S

Weather Clear 7.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>M.</u> Down.	Up.	<u>M.</u>		<u>M.</u> Down.	Up.	<u>M.</u>
4	17	45	4	27	00	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0	9	38	20	9	46	50
50 100	9	40	50	9	44	50
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
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Dredge } No. 1 Date, , 19

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 9 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time / } Air { Time / }

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. Amt. of Clouds 8 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul. Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	59	10	07 30
			100	00		
			200	03 15	10	05 30
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
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			2600			
			2700			
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			2900			
			3000			
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			3200			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1 Date, July 1, 1901
Hydrog. }
Sdg. Mch. Reel Shot 30 lbs.
Lead }
Turns 10 Cor'n 10 Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Coarse sand.

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air {
 { 51.8 Time { {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 8 State of Sea S

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Long line, 100 ft. lead, 10 lb. sinker, 2 mud traps

Time towing h. 5 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	11	04	30	11	15	00
100	11	07	00	11	12	00
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
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4100						
4200						
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4700						
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Dredge } No. 5213 Date, *Feb 16*, 19*12*
Hydrog.

Sdg. Mch. *Hand line* Reel Shot/Lead lbs.

Turns ----- Cor'n ----- Depth *17 fathoms*

Sdg. Cup ----- Amt. Bot'm Sample *10 fms.*

Character of Bottom -----

Thermom. { Make ----- Cor'n { Instr. -----
 { No. ----- { Stem. -----

Bottom Reading ----- Cor'd Temp. -----

Temp. Surf. { Time *1:30 P* } Air { *55°*
 { Time *2:15 P* } { *55°*

Density: Surf. ----- fms. -----

Wind: Direction *S.W.* Force *3-*

Baromet. *30.56* Amt. of Clouds *7* State of Sea -----

Weather *bc*

Direction and Force of Current { Surface -----
 { Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul *bottom*

Apparatus and Rig used *4' beam trawl*

1/2 inch mesh

2 mud bags

Time towing *h. 26 1/2 m.*

Remarks: -----

Deck Officer *T. J. L.* Recorder *W. L. L.*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P.M. Down.	Up.	P.M.		M. Down.	Up.	M.
1 46 30	2 17 00		0			
1 49 00	2 17 20		100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 4766 Date, Dec 20, 1912

Sdg. Mch. Led line Reel. Shot 24 lbs. Lead

Turns _____ Cor'n _____ Depth 11 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom sft M

Thermom. { Make 713 Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading 54.1 Cor'd Temp. 54.13

Temp. Surf. { 54.2 Time 11:48 Air { 65
54.03 Time _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1

Baromet. 30.20 Amt. of Clouds 7 State of Sea 5

Weather fog

Direction and Force of Current { Surface _____
Bottom _____

Tide Flood

General Locality San Pedro

Position { Circumference 11:48

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter.

Apparatus and Rig used 4' ...

Time towing _____ h. _____ m.

Remarks: ...

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.			M. DOWN.	UP.	M.
				0			
11	39	20	11	50	20	11	
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
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				2700			
				2800			
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				3200			
				3300			
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				3600			
				3700			
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				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

11-1923

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
12	57	00	1	04	00	0	12	55	00	1	01	30
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
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						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 4501 Date, Feb 2, 1911

Sdg. Mch. Lucas Reel Shot/Lead 30 lbs.

Turns Cor'n Depth 214 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy M

Thermom. { Make T No. 1111 Cor'n { Instr. Stem.

Bottom Reading 54.8° Cor'd Temp. 54.73

Temp. Surf. { 55.5 Time 1:46 } Air { 61.5 }
{ 56.0 Time } { }

Density: Surf. fms.

Wind: Direction West Force 1

Baromet. 30.24 Amt. of Clouds 8 State of Sea 2

Weather fog

Direction and Force of Current { Surface Bottom

Tide 57

General Locality San Pablo Bay

Position { 38° 15' N 122° 45' W }
{ 38° 15' N 122° 45' W }

Chart used: No. 5533 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 4' beam trawl

As before

Time towing h. 3 m.

Remarks: Waterbottle used

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
/ 25 25	1	650	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Lead~~ } No. 11089 Date, Feb. 20, 1912

Sdg. Mch. Leadline Reel _____ Shot } 24 lbs.
Lead } 5 1/2

Turns _____ Cor'n _____ Depth 5 1/2 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom IT

Thermom. { Make _____ Cor'n { Instr. _____
No. 69479 Stem. _____

Bottom Reading 54.90 Cor'd Temp. 54.83

Temp. Surf. { 55.40 Time 2:23 } Air { 62
Time _____

Density: Surf. _____ fms. _____

Wind: Direction SSW Force 1

Baromet. 30.21 Amt. of Clouds _____ State of Sea _____

Weather Clear

Direction and Force of Current { Surface _____
Bottom _____

Tide Flood

General Locality San Pablo Bay

Position { Point Pinole S 42 W

Chart used: No. 555 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Surf?

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 1/3	10	2 23 10	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 45 Date, July 2, 1912
Hydrog. }

Sdg. Mch. 12 Reel Shot/Lead 24 lbs.

Turns Cor'n Depth 634 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy S

Thermom. { Make 7 Cor'n { Instr. No. 69479 Stem.

Bottom Reading 54.8° Cor'd Temp. 54.73

Temp. Surf. { 55.2 Time 3:00 Air { 60.5
55.13 Time

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 30.35 Amt. of Clouds 4 State of Sea S

Weather b

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality San Pablo Bay

Position 1 1/2 miles S. of Point San Pedro

Chart used: No. 1733 Ed'n

Drift: Direction Distance

Depth of Haul 12

Apparatus and Rig used 4' Inter. & 2' Kefir

Time towing h. 12 m.

Remarks: 7. 12. 12

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P. M. Down.	Up.	E. M.		M. Down.	Up.	M.
12 30	3 09	00	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 400 Date Feb 1910

Sdg. Mch. Reel Shot Lead 24 lbs.

Turns Cor'n Depth 6 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M

Thermom. { Make N.S. Cor'n { Instr. No. 69479 Stem.

Bottom Reading 54.90 Cor'd Temp. 54.83

Temp. Surf. { 55 Time 3:34 p Air { 62 Time

Density: Surf. fms.

Wind: Direction Cal Force 0

Baromet. 30.31 Amt. of Clouds 4 State of Sea S

Weather fog

Direction and Force of Current { Surface Bottom

Tide

General Locality N. 1/2 E

Position Parrot H S 25 W

Chart used: No. CS 5533 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 12 m.

Remarks: No. 100

Deck Officer Mr. C. Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				M. Down.		Up.		M.	
2	24	20	3	34	20	0						
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Hydrog. } No. 111 Date, June 1, 1911

Sdg. Mch. Reel Shot Lead 2 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Gy. Sand

Thermom. { Make N.S. Cor'n { Instr. No. 69479 Stem.

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 54.3 Time 10:25.9 } Air { 58 }
54.3 Time 10:35.1 } 58
54.13

Density: Surf. fms.

Wind: Direction West Force 3-4

Baromet. 30.16 Amt. of Clouds 5 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used

Time towing h. 8 m.

Remarks: net used on bottom

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M.	Down.	Up.	M.	Down.	Up.		M.	Down.	Up.	M.	Down.	Up.
10	25	00	10	35	30	0	10	26	00	10	35	40
10	25	10	10	35	00	12-100	10	26	20	10	35	00
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Hydrog.~~ } No. 1 Date, July 1, 1911

Sdg. Mch. 1111 Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 54.5 Time 11:12 Air { 56

Density: Surf. fms.

Wind: Direction W.N.W. Force 3

Baromet. 30 Amt. of Clouds 1 State of Sea S

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter + 275 fms. 1120 + 1112 mesh Rapp.

Time towing h. 18 m.

Remarks:

Deck Officer Mr. S. K. Recorder G. W. C. 11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. A. M.

M. Down. Up. A. M.

11	50	00	11	10	40
11	20	20	11	10	20

0
100

11	01	30	11	10	50
11	02	50	11	10	20

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 6 Date, July 1, 1912

Sdg. Mch. Hand line off Reel Shot Lead lbs.

Turns Cor'n Depth 6.14 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Irving No. 69479 Cor'n { Instr. Stem.

Bottom Reading 54.5 Cor'd Temp. 54.43

Temp. Surf. { 54.8 Time 11:33 Air { 55

Density: Surf. fms.

Wind: Direction W. Force

Baromet. 30.24 Amt. of Clouds 6 State of Sea S.

Weather bc.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 1' line 2' rope 1' net 1' bag

Time towing h. 7 m.

Remarks: 1' net 1' bag 1' line 2' rope 1' net 1' bag

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. Down.	Up.		M.			M. Down.	Up.		M.	
11	23	50	11	34	00					
11	23	10	11	33	10					
					200					
					300					
					400					
					500					
					600					
					700					
					800					
					900					
					1000					
					1100					
					1200					
					1300					
					1400					
					1500					
					1600					
					1700					
					1800					
					1900					
					2000					
					2100					
					2200					
					2300					
					2400					
					2500					
					2600					
					2700					
					2800					
					2900					
					3000					
					3100					
					3200					
					3300					
					3400					
					3500					
					3600					
					3700					
					3800					
					3900					
					4000					
					4100					
					4200					
					4300					
					4400					
					4500					
					4600					
					4700					
					4800					
					4900					

Hydrog. } No. 1 Date, Jan 15, 1901

Sdg. Mch. 6.1.12.1 Refl short Lead 2 1/2 lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup	Amt. Bot'm Sample
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { Make *W. & W.*
No. *69479* Cor'n { Instr.
Stem.

Bottom Reading 16.3 Cor'd Temp. 77.5

Temp. Surf.	Time	Air
	Time	

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

<i>Baromet.</i>	<i>Amt. of Clouds</i>	<i>State of Sea</i>
-----------------	---------------------------	-------------------------

Weather

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

General Locality

Position 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Chart used : No. Ed'n

Drift: Direction Distance

Depth of Haul 200 fathoms.

Apparatus and Rig used 4' Inter. + 2 K + c.d.
1 20 + 1 12 mech. pumps.

Time towing h. S m.

Remarks: Took another look at 12.00.
Arrived -

Deck Officer _____ Recorder _____ 11-1021

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
11	11	11	0			
11	11	11	100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 4441 Date, Feb. 1912

Sdg. Mch. 7007 1st Reel Shot Lead 20 lbs.

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Sth. M.

Thermom. { Make 14 Cor'n { Instr. No. 69479 Stem.

Bottom Reading 55 Cor'd Temp. 54.93

Temp. Surf. { No. 2000 Time 56.5 Air

Density: Surf. fms.

Wind: Direction WSW Force 3

Baromet. 30.16 Amt. of Clouds 8 State of Sea

Weather bc

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Int.

Apparatus and Rig used Trawl 4' and 3' 75'.

Remarks

Time towing h. 13 m.

Remarks

Deck Officer Recorder

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
/	//	55	1	2	/	55
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
3	1		3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 4007 Date, Feb 21, 1917
Hydrog. }

Sdg. Mch. *Land* *Reel* ~~Hot~~ *Lead* } 2.4 lbs.

Turns _____ Cor'n _____ Depth 9 1/2 fms.

Sdg. Cup _____ *Ant. Bot'm* _____
Sample _____

Character of Bottom NY

Thermom. { Make N3
No. 69479 Cor'n { Instr.
Stem.

Bottom Reading 54.3° Cor'd Temp. 54.23

Temp. Surf. { 55.4 Time 1:47:30 } Air { 50 }
Time

Density: Surf. _____ fms. _____

Wind: Direction W 3 W Force 3

Baromet. 30.14 Amt. of Clouds 8 State of Sea 5

Weather *2*

Direction and Force of Current.	{	Surface	_____
		Bottom	_____

Tide *Flood*

General Locality S. A. ... R.

Position *Sec. 8, T. 16, R. 7, N. 14*

Chart used: No. OS 5532 Ed'n

Drift: Direction 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 *Distance*

Depth of Haul

Apparatus and Rig used *Inter 4' & 2' Rigged.*
as before.

Time towing h. 6 m.

Remarks: *No. 100. 100.*

Deck Officer *W. L. ...* Recorder *...*

SOUNDING WIRE.

M. Down.
Up.
M.

1 37 30 1 47 30

FMS.

DREDGING CABLE.

M. Down.
Up.
M.

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

Hydrog. No. 4828 Date, Feb. 3, 1912

Sdg. Mch. Lucas Reel Shot Lead 20 lbs.

Turns Cor'n Depth 14 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M

Thermom. { Make 75 No. 69479 Cor'n { Instr. Stem.

Bottom Reading 54.1 Cor'd Temp.

Temp. Surf. { 54.8 Time 6:07:15 Air { 55.0
54.63 Time

Density: Surf. fms.

Wind: Direction West Force 4

Baromet. 30.14 Amt. of Clouds 8 State of Sea C

Weather bc

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco Bay

(San Francisco Harbor North Head)

Position 32° 41' N 122° 41' W

Chart used: No. CS. 5532 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 4' Int. & 2' Haul

Time towing h. 10 m.

Remarks: Water bottle used

Deck Officer Mr. Stanley Recorder J. H. 1023

SOUNDING WIRE.

M. Down. Up. M.

1 57 15 2 09 15

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

901

Tideg. } No. 4000 Date, Feb 21, 1912
Hydrog. }
Sdg. Mch. Sigsbee Reel Shot/Lead 24 lbs.

Turns ----- Cor'n ----- Depth 22 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom SM

Thermom. { Make N3 Cor'n { Instr. -----
No. 69479. Stem. -----

Bottom Reading 54.10 Cor'd Temp. 54.03

Temp. Surf. { 54.70 Time 1:30:00 } Air { 54.53
54.53 Time -----

Density: Surf. ----- fms. -----

Wind: Direction West Force 4

Baromet. 30.13 Amt. of Clouds 8 State of Sea C

Weather bc

Direction and Force of Current { Surface -----
Bottom -----

Tide Ebb

General Locality San Francisco Bay

Position 14° 15' N 122° 30' W

Chart used: No. 125 Ed'n

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used 4' Dredge

Time towing ----- h. 0 m.

Remarks: Water both used

Deck Officer Mr. Sigsbee Recorder A. Sigsbee

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
(<i>P</i>)	M. Down.	Up.	(<i>P</i>) M.		M. Down.	Up.	M.
<i>2</i>	<i>21</i>	<i>20</i>	<i>2</i>	<i>31</i>	<i>20</i>		
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Lead } No. 500 Date, Feb 21, 1912

Sdg. Mch. Reel Shot Lead 20 lbs.

Turns Cor'n Depth 14 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 69470 Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 54.1° Time 3:08 } Air { 57°

Density: Surf. fms.

Wind: Direction West Force

Baromet. 30.0 Amt. of Clouds 8 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality San Francisco

Position { Lat. 37° 45' N Long. 122° 30' W

Chart used: No. 5532 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
<u>P</u> M. Down.	Up.	<u>P</u> M.			M. Down.	Up.	M.
7	58 00	3	08 00	0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 5001 Date, Oct 11, 1912
Hydrog. }

Sdg. Mch. Hand line at Reel Shot } lbs.
Lead }

Turns Cor'n Depth 8-14 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make M. B. Cor'n { Instr.
No. 69479 Stem.

Bottom Reading 5-1/4° Cor'd Temp. 54.33

Temp. Surf. { 54.5 Time 11:32 } Air { 55°
27.5 Time }

Density: Surf. fms.

Wind: Direction N. N. W. Force 4

Baromet. 30.22 Amt. of Clouds 0 State of Sea 2

Weather S

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 2. 4' and 1' ...

Time towing h. m.

Remarks: Water bottle used

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.		Up.		M.			M. Down.		Up.		M.	
11	19	15	11	30	25	0	11	13	10	11	36	00
11	20	20	11	35	30	100	11	20	11	35	05	
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5002 Date, July 23, 1912
Hydrog. }
Sdg. Mch. Handreel Reel Shot Lead 24 lbs.
Turns _____ Cor'n _____ Depth 5 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make m.p. Cor'n { Instr. _____
 { No. 69479 { Stem, _____

Bottom Reading 54.7 Cor'd Temp. 54.63

Temp. Surf. { 54.9 Time 12:50 P } Air { 55
 { 54.73 Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction west Force 5-6

Baromet. 30.16 Amt. of Clouds 1 State of Sea C

Weather bc.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 2 fms

Apparatus and Rig used 4' Inter. + 2 Kofords

Time towing h. 9 m.

Remarks: Wireball used

Deck Officer Mr. Clancy Recorder H. W. Parker

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P M. DOWN.

UP.

P M.

P M. DOWN.

UP.

P M.

12 38 30 12 47 30

0

12 39 00 12 50 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Jan 30 - Dr. S Dr. K.

Feb 1 - "

" 6 - " Dr. K.

" 13 - " "

" 15 - "

" 16 - "

" 20 - Dr. S

29
2/0
53/19

26.70

11.40

15.30